Objectives of extension activities

2858. SHRI YERRA NARAYANASWAMY: Will the Minister of AGRICULTURE be pleased to state:

(a) the objective of 'Frontline Demonstrations' and other extension activities;

(b) whether such programmes have been successful in improving farmers' access to latest developments in agriculture; and

(c) whether any assessment has been done to judge the utility of such programmes with the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI S. KRISHNA KUMAR): (a) The major objective of Frontline Demonstrations is to prove the production potentialities of the newly developed crop production technologies and also study factors contributing to higher production. The other extension activities are undertaken mainly to create awareness about the newly improved and high yielding technologies among the farming communities.

(b) Yes, Sir.

(c) The results of Frontline Demonstrations in different crops have been analysed and discussed at various forums. The increase in productivity has gone up in different crops and cropping systems ranging from 25 to 100 per cent depending upon the agro-climatic regions. The improved technology has spread among the farmers.

Access to new technologies through ICAR

2859. SHRI YERRA NARAYANASWAMY: Will the Minister of AGRICULTURE be pleased to state:

(a) whether ICAR has achieved success in assisting farmers to adopt new technologies leading to higher productivity and yields;

(b) whether ICAR can give illustrations of successful projects in recent times where farmers gained substantially through the research of ICAR; and

(c) if so, the details of crops and the results achieved thereof?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI S. KRISHNA KUMAR): (a) Yes, Sir.

(b) Yes, Sir.

(c) The result of hybrid rice variety of APHR 1.2 and DRRH-3 was found 8.5 Tonnes/ha. and 5.5 Tonnes/ha, respectively on farmers field which was substantially higher than the local check. Likewise, under oilseed programme, Groundnut variety ICGS-44 result was found 16 quintals/ha. under Front-line demonstrations conducted by the KVK in Andhra Pradesh and farmers received 62 per cent higher yield in compare to local check. Under Front-like demonstrations on Pulse crop result of Red gram variety ICPL 87089 was found 10.22 quintals/ha. which was 65 per cent higher than the local check.

Long term training by ICAR

2860. SHRI YERRA NARAYANASWAMY: Will the Minister or AGRICULTURE be pleased to state:

(a) whether ICAR is involved in any long-term vocation based and skill oriented training for farmers;

(b) if so, the details thereof;

(c) the funds spent on such long-term, vocation based and skill oriented training for farmers in 1993-94 and 1994-95; and

(d) the details of such programmes being implemented in Andhra Pradesh?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE, (SHRI S. KRISHNA KUMAR): (a) Yes, Sir.

(b) To organise long term vocation-based ad nskill oriented training for farmers is one of the important mandate of KVKs. The types and nature of vocational training programmes are deci-

ded by the respective KVKs on the basis of needs and requirement of the farmers belonging to the respective areas. It varies from one KVK to another.

(c) During the year 1993-94 and 1994-95, a sum of Rs. 50,000/- and Rs. 60,000/- was sanctioned to each KVK to organise vocation-based and skill oriented training programmes for farmers and farm women respectively.

(d) Vocational programmes like Techniques of Hybrid Rice Production Learning of Mango Grafting on KVK Farm, Back-yard Mango Nursery Profamme, Development of Nutrition Gardens, Raising on Mulberry Nurstry, Training on Sericulture, Silk Reeling Technology, Maintenance and repairs of Diesel Engine, Motor Pumps and other Plant Protection Equipments etc. are being organised in the KVKs located in Andhra Pradesh.

Aqua-culture on the East and West coast

2861. SHRI P. UPENDRA: Will the Minister of AGRICULTURE be pleased to state:

(a) whether diseases have affected the aqua-culture on the East and West coast of the country;

(b) the total loss involved; and

(c) the steps taken by Government to help the farmers in tacklig the disease and resume production?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI S. KRISHNA KUMAR): (a) An outbreak of shrimp diseases has been reportted in the coastal district of Andhra Pradesh and some districts of Tamil Nadu. There are no reports about the outbreak of diseases affecting quaculture from any other part of the country.

(b) The estimated loss of shrimp production due to disease is reported to be worth over Rs. 70 crores.

(c) The steps taken by the Government to help the farmers in tackling the disagnosis and resume production include

(i) Educating the farmers on disease diagnosis, treatment of the affected shrimp, better pond management methods, and treatment of water both at the intake and discharge points.

(ii) Advising the farmers to have crop holiday and take up shrimp farming after a gap of 4-5 months, drying the pond bottom for 4-5 months, allowing natural flushing of the wastes from the shrimp ponds, etc.

भारतीय कृषि अनुसंधान परिषद द्वारा अनुसंधान केन्द्रों की स्थापना

2862. **श्री अजीत जोगी :** क्या कृषि मंत्री यह बताने की कृपा करेंगे कि :

(क) क्या भारतीय कृषि अनुसंधान परिषद कुछ नए अनुसंधान केन्द्रों की स्थापना करने का विचार रखती हैं ;

(ख) यदि हां, तो तत्संबंधी ब्यौरा क्या है और किन-किन राज्यों में इन अनुसंधान केन्द्रों की स्थापना किए जाने की संभावना है ;

(ग) इस संबंध में अंतिम निर्णय कब तक लिए जाने की संभावना है ;

(घ) क्या मध्य प्रदेश में अनुसंधान केन्द्र की स्थापना करने संबंधी कोई प्रस्ताव भी विचाराधीन है ; और

(ङ) इस संबंध में अब तक क्या कदम उठाए गए हैं ?

कृषि मंत्रालय में राज्य मंत्री (श्री एस. कृष्ण कुमार) : (क) जी, हां ।

(ख) आठवीं पंचवर्षीय योजना के दौरान स्थापित किये जाने वाले अनुसंधान केन्द्रों का ब्यौरा अनुपत्र में दिया गया है । [देखिये परिशिष्ट 173, अनुपत्र सं० 62]

(ग) वार्षिक योजना 1995-96 के दौरान इन्हें स्थापित किये जाने के लिए कदम उठाये गये हैं ? ।